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|  |                                      |                                    |  |
|--|--------------------------------------|------------------------------------|--|
| <b>Issue Classification</b><br> | <b>Application No.</b><br>09/977,868 | <b>Applicant(s)</b><br>DEAN ET AL. |  |
|  | <b>Examiner</b><br>Kenneth R Horlick | <b>Art Unit</b><br>1637            |  |
|  |                                      |                                    |  |

| ISSUE CLASSIFICATION  |   |          |   |       |   |                                   |      |  |  |                                  |                                |
|---|---|----------|---|-------|---|-----------------------------------|------|--|--|----------------------------------|--------------------------------|
| ORIGINAL  |   |          |   |       | CROSS REFERENCE(S)  |                                   |      |  |  |                                  |                                |
| CLASS   |   | SUBCLASS |   |       | CLASS   | SUBCLASS (ONE SUBCLASS PER BLOCK) |      |  |  |                                  |                                |
| 435   |   | 6        |   |       | 435   | 91.1                              | 91.2 |  |  |                                  |                                |
| INTERNATIONAL CLASSIFICATION  |   |          |   |       |   |                                   |      |  |  |                                  |                                |
| C   | 1 | 2        | Q | 1/68  |   |                                   |      |  |  |                                  |                                |
| C   | 1 | 2        | P | 19/34 |   |                                   |      |  |  |                                  |                                |
|   |   |          |   | /     |   |                                   |      |  |  |                                  |                                |
|   |   |          |   | /     |   |                                   |      |  |  |                                  |                                |
|   |   |          |   | /     |   |                                   |      |  |  |                                  |                                |
| <div><div>_____<br/>(Assistant Examiner)</div><div><b>THOMAS D. JOHNSON</b><br/>PATENT EXAMINER</div></div> |   |          |   |       | <div><b>KENNETH R. HORLICK, PH.D.</b><br/>PRIMARY EXAMINER<br/><i>Kenneth R. Horlick</i><br/>(Primary Examiner)</div> |                                   |      |  |  | <b>Total Claims Allowed: 232</b> |                                |
| <div><div>_____<br/>(Date)</div><div><i>2/18/05</i><br/>(Date)</div></div>                                  |   |          |   |       | <div><div>_____<br/>(Date)</div><div><i>2/9/05</i><br/>(Date)</div></div>   |                                   |      |  |  | <b>O.G. Print Claim(s)</b><br>1  | <b>O.G. Print Fig.</b><br>NONE |

| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          |       |          |       |          |       |          |       |          | <input type="checkbox"/> CPA |          | <input checked="" type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |          |
|---|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|------------------------------|----------|--|----------|---------------------------------|----------|
| Final   | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final                        | Original | Final                                    | Original | Final                           | Original |
| 1   | 1        | 31    | 31       | 61    | 61       | 91    | 91       | 118   | 121      | 148   | 151      |                              |          |  |          |                                 | 181      |
| 2   | 2        | 32    | 32       | 62    | 62       | 92    | 92       | 119   | 122      | 149   | 152      |                              |          |  |          |                                 | 182      |
| 3   | 3        | 33    | 33       | 63    | 63       | 93    | 93       | 120   | 123      | 150   | 153      |                              |          |  |          |                                 | 183      |
| 4   | 4        | 34    | 34       | 64    | 64       | 94    | 94       | 121   | 124      | 151   | 154      |                              |          |  |          |                                 | 184      |
| 5   | 5        | 35    | 35       | 65    | 65       | 95    | 95       | 122   | 125      | 152   | 155      |                              |          |  |          |                                 | 185      |
| 6   | 6        | 36    | 36       | 66    | 66       | 96    | 96       | 123   | 126      | 153   | 156      |                              |          |  |          |                                 | 186      |
| 7   | 7        | 37    | 37       | 67    | 67       | 97    | 97       | 124   | 127      | 154   | 157      |                              |          |  |          |                                 | 187      |
| 8   | 8        | 38    | 38       | 68    | 68       | 98    | 98       | 125   | 128      | 155   | 158      |                              |          |  |          |                                 | 188      |
| 9   | 9        | 39    | 39       | 69    | 69       | 99    | 99       | 126   | 129      | 156   | 159      |                              |          |  |          |                                 | 189      |
| 10  | 10       | 40    | 40       | 70    | 70       | 100   | 100      | 127   | 130      | 157   | 160      |                              |          |  |          |                                 | 190      |
| 11  | 11       | 41    | 41       | 71    | 71       | 101   | 101      | 128   | 131      | 158   | 161      |                              |          |  |          |                                 | 191      |
| 12  | 12       | 42    | 42       | 72    | 72       | 102   | 102      | 129   | 132      | 159   | 162      |                              |          |  |          |                                 | 192      |
| 13  | 13       | 43    | 43       | 73    | 73       | 103   | 103      | 130   | 133      | 160   | 163      |                              |          |  |          |                                 | 193      |
| 14  | 14       | 44    | 44       | 74    | 74       | 104   | 104      | 131   | 134      | 161   | 164      |                              |          |  |          |                                 | 194      |
| 15  | 15       | 45    | 45       | 75    | 75       | 105   | 105      | 132   | 135      | 162   | 165      |                              |          |  |          |                                 | 195      |
| 16  | 16       | 46    | 46       | 76    | 76       | 106   | 106      | 133   | 136      | 163   | 166      |                              |          |  |          |                                 | 196      |
| 17  | 17       | 47    | 47       | 77    | 77       | 107   | 107      | 134   | 137      | 164   | 167      |                              |          |  |          |                                 | 197      |
| 18  | 18       | 48    | 48       | 78    | 78       | 108   | 108      | 135   | 138      | 165   | 168      |                              |          |  |          |                                 | 198      |
| 19  | 19       | 49    | 49       | 79    | 79       | 109   | 109      | 136   | 139      | 166   | 169      |                              |          |  |          |                                 | 199      |
| 20  | 20       | 50    | 50       | 80    | 80       | 110   | 110      | 137   | 140      | 167   | 170      |                              |          |  |          |                                 | 200      |
| 21  | 21       | 51    | 51       | 81    | 81       |       | 111      | 138   | 141      | 168   | 171      |                              |          |  |          |                                 | 201      |
| 22  | 22       | 52    | 52       | 82    | 82       |       | 112      | 139   | 142      | 169   | 172      |                              |          |  |          |                                 | 202      |
| 23  | 23       | 53    | 53       | 83    | 83       |       | 113      | 140   | 143      | 170   | 173      |                              |          |  |          |                                 | 203      |
| 24  | 24       | 54    | 54       | 84    | 84       |       | 114      | 141   | 144      | 171   | 174      |                              |          |  |          |                                 | 204      |
| 25  | 25       | 55    | 55       | 85    | 85       |       | 115      | 142   | 145      | 172   | 175      |                              |          |  |          |                                 | 205      |
| 26  | 26       | 56    | 56       | 86    | 86       |       | 116      | 143   | 146      | 173   | 176      |                              |          |  |          |                                 | 206      |
| 27  | 27       | 57    | 57       | 87    | 87       |       | 117      | 144   | 147      | 174   | 177      |                              |          |  |          |                                 | 207      |
| 28  | 28       | 58    | 58       | 88    | 88       |       | 118      | 145   | 148      | 175   | 178      |                              |          |  |          |                                 | 208      |
| 29  | 29       | 59    | 59       | 89    | 89       |       | 119      | 146   | 149      | 176   | 179      |                              |          |  |          |                                 | 209      |
| 30  | 30       | 60    | 60       | 90    | 90       |       | 120      | 147   | 150      | 177   | 180      |                              |          |  |          |                                 | 210      |

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|--|------------------------|---------------------|--|
| <b>Issue Classification</b><br> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|  | 09/977,868             | DEAN ET AL.         |  |
|  | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|  | Kenneth R Horlick      | 1637                |  |

| ISSUE CLASSIFICATION                |  |          |  |   |  |                                   |  |  |  |  |
|-------------------------------------|--|----------|--|---|--|-----------------------------------|--|--|--|--|
| ORIGINAL                            |  |          |  |   | CROSS REFERENCE(S)   |                                   |  |  |  |  |
| CLASS                               |  | SUBCLASS |  |   | CLASS  | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |  |  |
| INTERNATIONAL CLASSIFICATION        |  |          |  |   |  |                                   |  |  |  |  |
|                                     |  |          |  | / |  |                                   |  |  |  |  |
|                                     |  |          |  | / |  |                                   |  |  |  |  |
|                                     |  |          |  | / |  |                                   |  |  |  |  |
|                                     |  |          |  | / |  |                                   |  |  |  |  |
|                                     |  |          |  | / |  |                                   |  |  |  |  |
|                                     |  |          |  |   |  |                                   |  |  |  |  |
| (Assistant Examiner) (Date)         |  |          |  |   | <b>Total Claims Allowed:</b><br><br>O.G. Print Claim(s)      O.G. Print Fig. |                                   |  |  |  |  |
| (Legal Instruments Examiner) (Date) |  |          |  |   |  |                                   |  |  |  |  |
|                                     |  |          |  |   | (Primary Examiner) (Date)  |                                   |  |  |  |  |

|  |          |       |          |       |          |       |          |       |          |                              |          |                               |          |                                 |          |
|--|----------|-------|----------|-------|----------|-------|----------|-------|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|----------|
| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          |       |          |       |          |       |          | <input type="checkbox"/> CPA |          | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |          |
| Final  | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final                        | Original | Final                         | Original | Final                           | Original |
|  | 211      | 186   | 241      | 216   | 271      |       | 301      |       | 331      |                              | 361      |                               | 391      |                                 |          |
|  | 212      | 187   | 242      | 217   | 272      |       | 302      |       | 332      |                              | 362      |                               | 392      |                                 |          |
|  | 213      | 188   | 243      | 218   | 273      |       | 303      |       | 333      |                              | 363      |                               | 393      |                                 |          |
| 159  | 214      | 189   | 244      | 219   | 274      |       | 304      |       | 334      |                              | 364      |                               | 394      |                                 |          |
| 160  | 215      | 190   | 245      | 220   | 275      |       | 305      |       | 335      |                              | 365      |                               | 395      |                                 |          |
| 161  | 216      | 191   | 246      | 221   | 276      |       | 306      |       | 336      |                              | 366      |                               | 396      |                                 |          |
| 162  | 217      | 192   | 247      | 222   | 277      |       | 307      |       | 337      |                              | 367      |                               | 397      |                                 |          |
| 163  | 218      | 193   | 248      | 223   | 278      |       | 308      |       | 338      |                              | 368      |                               | 398      |                                 |          |
| 164  | 219      | 194   | 249      | 224   | 279      |       | 309      |       | 339      |                              | 369      |                               | 399      |                                 |          |
| 165  | 220      | 195   | 250      | 225   | 280      |       | 310      |       | 340      |                              | 370      |                               | 400      |                                 |          |
| 166  | 221      | 196   | 251      | 226   | 281      |       | 311      |       | 341      |                              | 371      |                               | 401      |                                 |          |
| 167  | 222      | 197   | 252      | 227   | 282      |       | 312      |       | 342      |                              | 372      |                               | 402      |                                 |          |
| 168  | 223      | 198   | 253      | 228   | 283      |       | 313      |       | 343      |                              | 373      |                               | 403      |                                 |          |
| 169  | 224      | 199   | 254      | 229   | 284      |       | 314      |       | 344      |                              | 374      |                               | 404      |                                 |          |
| 170  | 225      | 200   | 255      | 230   | 285      |       | 315      |       | 345      |                              | 375      |                               | 405      |                                 |          |
| 171  | 226      | 201   | 256      | 231   | 286      |       | 316      |       | 346      |                              | 376      |                               | 406      |                                 |          |
| 172  | 227      | 202   | 257      | 232   | 287      |       | 317      |       | 347      |                              | 377      |                               | 407      |                                 |          |
| 173  | 228      | 203   | 258      |       | 288      |       | 318      |       | 348      |                              | 378      |                               | 408      |                                 |          |
| 174  | 229      | 204   | 259      |       | 289      |       | 319      |       | 349      |                              | 379      |                               | 409      |                                 |          |
| 175  | 230      | 205   | 260      |       | 290      |       | 320      |       | 350      |                              | 380      |                               | 410      |                                 |          |
| 176  | 231      | 206   | 261      |       | 291      |       | 321      |       | 351      |                              | 381      |                               | 411      |                                 |          |
| 177  | 232      | 207   | 262      |       | 292      |       | 322      |       | 352      |                              | 382      |                               | 412      |                                 |          |
| 178  | 233      | 208   | 263      |       | 293      |       | 323      |       | 353      |                              | 383      |                               | 413      |                                 |          |
| 179  | 234      | 209   | 264      |       | 294      |       | 324      |       | 354      |                              | 384      |                               | 414      |                                 |          |
| 180  | 235      | 210   | 265      |       | 295      |       | 325      |       | 355      |                              | 385      |                               | 415      |                                 |          |
| 181  | 236      | 211   | 266      |       | 296      |       | 326      |       | 356      |                              | 386      |                               | 416      |                                 |          |
| 182  | 237      | 212   | 267      |       | 297      |       | 327      |       | 357      |                              | 387      |                               | 417      |                                 |          |
| 183  | 238      | 213   | 268      |       | 298      |       | 328      |       | 358      |                              | 388      |                               | 418      |                                 |          |
| 184  | 239      | 214   | 269      |       | 299      |       | 329      |       | 359      |                              | 389      |                               | 419      |                                 |          |
| 185  | 240      | 215   | 270      |       | 300      |       | 330      |       | 360      |                              | 390      |                               | 420      |                                 |          |